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The Urban District of Litherland.

ANNUAL REPORTS

of the

Medical Officer of Health

and of the

Sanitary Inspector

For the Year 1946.

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THE URBAN DISTRICT COUNCIL OF LITHERLAND.

YEAR 1946.

Chairman of the Council:

Councillor A. DICK, J.P.

Chairman of the Health Committee:

Councillor A. DICK, J.P.

Deputy Chairman of the Health Committee:

Councillor H. S. CALVERT.

Councillors:

A. H. Bradley.	J. Eaton.
L. Chorley.	W. Gregg.
H. S. Calvert.	W. M. Lloyd.
P. T. Cluskey.	J. L. Parry.
J. Daley.	J. H. Wall.
A. Dick.	W. Wall.

Medical Officer of Health:

A. J. W. CUNNINGHAM, M.A., M.D. (Cantab.), D.P.H.

Sanitary Inspector:

H. HARRISON, M.R.San.I., M.S.I.A.

THE URBAN DISTRICT COUNCIL OF LITHERLAND.

Town Hall,
Litherland.

9th December, 1947.

To the Chairman and Members
of the Health Committee.

Gentlemen,

I have pleasure in submitting herewith my Annual Report on the health and sanitary conditions of the district for the year ending 31st December, 1946.

My thanks are due to the Staff of the Department for their help and to the members of the Health Committee for their sustained interest in all that concerns the health of the district.

Yours obediently,

A. J. W. CUNNINGHAM,
Medical Officer of Health.

PARTICULARS TO BE INCLUDED IN THE
ANNUAL REPORT OF THE MEDICAL OFFICER OF
HEALTH FOR THE YEAR 1946.

1.—Statistics and Social Conditions of the Area.

Area in acres	818
Population—Census, 1931	15,987
Estimated, Mid 1946	19,490
No. of inhabited houses (Census, 1931)	3,464
,, ,, ,, on Rate Books, Dec., 1946 ...	5,204
Rateable value	£116,602
General Rate, 1945/46	17/9
Sum represented by a penny rate	£452

There is no special report to make on the influence of any particular occupation on public health.

UNEMPLOYMENT.—There are no separate figures at the Labour Exchange as to the extent of the unemployment in the district.

BIRTHS.

The number of children born in the district during 1946 was 453; 220 males and 233 females. This gives a Birth Rate of 23·2.

DEATHS.

The total number of Deaths during the year 1946 was 232; 124 males and 108 females. This gives a Death Rate of 11·9. 118 Deaths of Litherland residents occurred outside the district.

INFANTILE MORTALITY.

During the year 31 children died who, at the time of their death, had not reached the age of one year.

ZYMOTIC DEATHS.

During the year, there were 2 deaths from Whooping Cough, one death from Diphtheria, one death from Measles, and no deaths from Cerebro-Spinal Fever. This gives a Zymotic Death Rate of 0·30.

There were 2 deaths from Diarrhæal Diseases under the age of two years.

VITAL STATISTICS.

		Total	M.	F.
Live Births	Legitimate ...	431	206	225
	Illegitimate ...	22	14	8
	Total	453	220	233

Birth-rate per 1,000 estimated population mid-1946 ... 23·2

Stillbirths	18	14	4

Rate per 1,000 total (live and still) births ... 38

Deaths	232	124	108

Death-rate per 1,000 estimated population ... 11·9

Deaths from puerperal causes—		Death-rate per 1,000 Total (live and still) Births
Puerperal and post-bortive sepsis	Nil	Nil
Other maternal causes	1	2·12
Total	1	2·12

*Death-rate of Infants under one year of age:—

All Infants per 1,000 live births	68
Legitimate infants per 1,000 legitimate live births ...	69
Illegitimate infants per 1,000 illegitimate live births ...	45

Deaths from Cancer (all ages)	28
,, ,, Measles (all ages)	1
,, ,, Whooping Cough (all ages)	2
,, ,, Diarrhoea (under two years of age)	2

LITHERLAND U.D.C.

	Per 1,000 of estimated population.				Maternal mortality rate.		Rate of deaths under one year per 1,000 live births
	Live birth-rate	Crude death-rate	Death-rate from tuberculosis of respiratory system	Death-rate from cancer	Per 1,000 *live* births	Per 1,000 *total* (live and still) births	
Population							
For birth-rate, } 19,490.							
For death-rates } 19,490.							
Mean of 5 years, 1941-1945	21·9	12·7	0·80	1·38	0·59	0·56	81
Year—							
1945	20·2	12·0	0·50	1·86	Nil	Nil	94
1946	23·2	11·9	0·76	1·43	2·20	2·12	68
Increase or decrease in 1946 *on*—							
5 years' average, 1941-1945	+1·3	—0·8	—0·4	+0·05	+1·61	+1·56	—13
Previous year	+3·0	—0·1	+0·26	—0·43	+2·20	+2·12	—26

DIPHTHERIA IMMUNISATION.

Age at date of Inoculation	11 1935	10 1936	9 1937	8 1938	7 1939	6 1940	5 1941	4 1942	3 1943	2 1944	1 1945	Under 1 1946	Total
Under 1 year ...	—	—	—	—	—	1	1	—	23	7	2	2	
1—2 years ...	11	6	2	5	9	14	44	118	144	115	209	189	Under five years 830
2—3 ,, ...	21	5	9	10	6	21	37	96	51	23	31	41	
3—4 ,, ...	22	9	8	1	11	23	30	86	55	10	20	15	
4—5 ,, ...	30	10	12	16	10	26	31	63	59	7	11	9	
5—6 ,, ...	47	38	29	30	31	63	59	55	35	5	19	2	
6—7 ,, ...	51	17	16	29	14	35	41	46	38	1	19	11	
7—8 ,, ...	41	24	14	13	10	11	27	22	30	7	12	2	5—10 years 997
8—9 ,, ...	40	40	9	9	16	16	24	14	25	6	8	3	
9—10 ,, ...	36	31	18	12	12	9	19	16	24	3	7	2	
10—11 ,, ...	55	41	9	8	9	11	21	9	25	8	5	5	
11—12 ,, ...	30	37	9	3	4	6	18	8	9	2	8	4	
12—13 ,, ...	21	21	4	4	2	9	9	13	8	1	2	7	10–15 years 910
13—14 ,, ...	11	14	7	6	1	9	8	1	8	1	1	3	
14—15 ,, ...	—	1	—	—	—	—	1	—	—	—	—	1	
15 years and over	—	—	—	—	—	1	—	—	—	—	—	—	
Age not known ..	—	—	—	—	—	—	—	—	—	—	—	—	952
Totals ...	416	294	146	146	135	255	370	547	534	196	354	296	3689

Causes of Death in Litherland Urban District, 1946.

	Causes of Death.	*M.*		*F.*
		124	—	108
1.	Typhoid and Paratyphoid Fevers ...	—	...	—
2.	Cerebro-spinal Fever	—	...	—
3.	Scarlet Fever	—	...	—
4.	Whooping Cough	—	...	2
5.	Diphtheria	—	...	1
6.	Tuberculosis of Respiratory System ...	10	...	5
7.	Other Tuberculosis Diseases	2	...	2
8,	Syphilitic diseases	1	...	—
9.	Influenza	2	...	1
10.	Measles	—	...	1
11.	Ac. polio-mpel: and polio-enceph ...	—	...	—
12.	Ac. inf. enceph.	1	...	—
13.	Cancer of buc.cav. & oesoph. (M.), uterus (F.)	2	...	2
14.	Cancer of stomach and duodenum ...	2	...	5
15.	Cancer of breast	—	...	4
16.	Cancer of all other sites	12	...	3
17.	Diabetes	—	...	—
18.	Intra-cran: vasc: lesions	11	...	10
19.	Heart Disease	22	...	26
20.	Other diseases of circ. system	4	...	3
21.	Bronchitis	8	...	3
22.	Pneumonia	9	...	5
23.	Other Respiratory Diseases	2	...	2
24.	Ulcer of stomach or duodenum	1	...	—
25.	Diarrhœa (under 2 years)	1	...	1
26.	Appendicitis	—	...	—
27.	Other Digestic Diseases	1	...	7
28.	Nephritis	2	...	2
29.	Puer. and post-abort. sepsis	—	...	—
30.	Other maternal causes	—	...	1
31.	Premature Birth	4	...	4
32.	Con. mal: birth inj. infant dis: ...	7	...	2
33.	Suicide	1	...	1
34.	Road Traffic acc.	2	...	1
35.	Other violent causes	1	...	2
36.	All other causes	16	...	14

S.D. 55.

Birth Rates, Civilian Death Rates, Analysis of Mortality, Maternal Mortality, and Case Rates for certain Infectious Diseases in the Year 1946.

(Provisional Figures based on Weekly and Quarterly Returns.)

	England and Wales.	126 County Boroughs and Great Towns, including London.	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census).	London. Administrative County.
	Rates per 1,000 Civilian Population.			
Births— *				
Live	19.1†	22.2	21.3	21.5
Still	0.53‡	0.67	0.59	0.54
Deaths—				
All Causes ...	11.5‡	12.7	11.7	12.7
Typhoid and Paratyphoid Fevers ...	0.00	0.00	0.00	0.00
Scarlet Fever	0.00	0.00	0.00	0.00
Whooping Cough ...	0.02	0.02	0.02	0.02
Diphtheria	0.01	0.01	0.01	0.01
Influenza	0.15	0.13	0.14	0.12
Smallpox...	0.00	0.00	0.00	—
Measles	0.00	0.01	0.00	0.01
	Rates per 1,000 Live Births.			
Deaths under 1 year of age	43†	46	37	41
Deaths from Diarrhoea and Enteritis under 2 years of age	4.4	6.1	2.8	4.2
Notifications—	Rate per 1,000 Civilian Population			
Typhoid Fever	0.01	0.01	0.01	0.01
Paratyphoid Fever ...	0.09	0.02	0.01	0.01
Cerebro-Spinal Fever ...	0.05	0 05	0.04	0.06
Scarlet Fever	1.38	1.51	1.33	1.42
Whooping Cough ...	2.28	2.48	2.05	2,22
Diphtheria	0.28	0.32	0.31	0.24
Erysipelas	0.22	0.25	0.22	0.27
Smallpox...	0.00	0.00	0.00	0.00
Measles	3.92	4.73	3.70	7.35
Pneumonia	0.89	1.02	0.74	0.75
	Rates per 1000 Total Births (Live and Still):—			
(a) Notifications				
Puerperal Fever... ... / Puerperal Pyrexia ...	8.50	10.35	7.63	1.62 / ‡9.68

(b) Maternal Mortality— England and Wales

No. 140. Abortion with Sepsis	No. 141. Abortion without Sepsis	No. 147. Puerperal Infections	Nos.142-6, 148-150 Other.
0.13	0.06	0.18	1.06

Abortion. Mortality per million women aged 15-45. England & Wales.

No. 140 with Sepsis ...	11	No. 141 without Sepsis ...	5

* A dash (—) signifies that there were no deaths.
† Per 1,000 related births.
‡ Rates per 1,000 total population Including Puerperal fever.

2.—General Provision of Health Services for the Area.

HOSPITALS.

There are no Hospitals in the district, but the Council have agreements with the County Borough of Bootle for infectious disease.

SMALLPOX.

Cases are removed under the above agreement to Liverpool, a retaining fee of £2 per 1,000 of population being paid.

The OTHER INFECTIOUS DISEASES are removed to the City of Liverpool and West Lancs. Infectious Disease Hospitals, no retaining fee being paid. The patients are not required to contribute towards the cost of treatment, and the accommodation is not limited.

No action has been taken or advised with the object of securing that the Hospital accommodation is utilised to the best extent, or to shorten the period of stay of uncomplicated cases of Scarlet Fever. Cases have been treated at home where there have been facilities for isolation and suitable nursing.

No new methods have been adopted for the selection of individual cases for which admission to Hospitals is most imperative, nor any new decision as to the admission of cases of diseases such as Measles or Whooping Cough.

No arrangements are in force for hospitalisation of minor infectious disease, such as Measles. While the need for hospital treatment arises but rarely in these cases, it is occasionally imperative, and when this occurs great difficulty is found in obtaining admission of the patient to hospital.

TUBERCULOSIS.

This work is administered by the Lancashire County Council, the Tuberculosis Dispensary being situated at "Ellesmere," Crosby Road North, Waterloo.

MATERNITY.

There is no Maternity Hospital in the district, but the Liverpool and Bootle Hospitals are available.

MIDWIVES.

There are three Midwives on the County Council Register and practising in the district. There are no Health Visitors, Nurses or Midwives employed by or assisted by the Local Authority.

GENERAL MEDICAL. GENERAL SURGICAL.

These cases are removed to the General Hospitals of Liverpool, Bootle and Waterloo.

CHILDREN.

The above Hospitals are used, also the Liverpool Children's Hospital.

VENEREAL DISEASES.

Patients make their own arrangements with the Liverpool Voluntary Hospitals.

There are no Poor Law or other Institutions in the district.

Maternity Mortality.

No special arrangements have been made for the investigation of maternal deaths, and cases of Puerperal Fever or Puerperal Pyrexia; this work is carried out by the Lancashire County Council.

Ambulance Facilities.

(a) For infectious diseases the Motor Ambulances of the City of Liverpool and West Lancs. Infectious Disease Hospitals.

(b) For non-infectious cases, accident and maternity cases the Motor Ambulances of:—Lancashire Public Assistance Committee, Merseyside Hospitals (1d. in the £ Subscribers) Ambulance, and the Council Ambulance, joint with Crosby.

Clinic and Treatment Centres.

This work is administered by the Lancashire County Council. The Clinic is situated at 32 Linacre Road, Litherland, and provides for:—

Maternity and Child Welfare. Consultation and treatment.

School Clinic. Dental, orthopædic and minor ailments.

The times of opening are as follows:—

Monday	9-30 a.m. to 12 noon;	2 to 4 p.m.
Tuesday	10-0 a.m. to 12 noon;	2 to 4 p.m.
Wednesday	9-30 a.m. to 12 noon;	2 to 4 p.m.
Thursday	9-15 a.m. to 12-15 p.m.;	2 to 4 p.m.
Friday	9-0 a.m. to 12 noon.	

There is no Artificial Light Clinic; or Institutional provision for unmarried mothers, illegitimate infants, or homeless children in the district.

A Day Nursery was opened on April 10th, 1943, to accommodate 50 children. It has proved a success and met a wartime need of some urgency. Consequently, an extension was opened on the 21st June, 1944, for 40 children. The Nursery is open from Monday to Friday at 7 a.m. to 7 p.m., and on Saturday from 7 a.m. to 1 p.m. Children of the age of 6 months to 5 years are accepted.

Professional Nursing in the Home.

Two District Nurses (Litherland District Nursing Association) visit on request of the Medical Practitioners by arrangement with the District Nursing Association. There is no financial obligation to the Council.

Domestic Home Helps Scheme.

The County Council have delegated their powers under the above Scheme to the Local Authority. Three part-time helpers have been engaged during the year to give assistance to maternity nurses, and to persons sick or infirm; five cases took advantage of the Scheme during the year.

The Local Authority contributes to the Merseyside Hospitals (1d. in the £ Scheme) in connection with the Council employees, also to the Bootle General Hospital and the Waterloo General Hospital.

Health Education.

Health Posters have been displayed, and frequently changed, on the late Empire Marketing Boards.

Pathological and Bacteriological Examinations.

Sputum.—These specimens are sent direct to Lancashire County Council Tuberculosis Dispensary, by Medical Practitioners.

Blood, Throat Swabs, etc.—Sent direct by Medical Practitioners to Liverpool University, Bacteriological Department.

Milk.—Six samples were submitted to Liverpool University.

3.—Sanitary Circumstances of the Area.

Water Supply.

The water supply is obtained from the City of Liverpool; the chief source is Lake Vyrnwy in Wales. The water is excellent in quality, and there is a constant supply for all purposes. The number of houses supplied direct from the public mains is approximately 5,204. There has been no analysis during the year. Complaints of discolouration and sediment were reported to Liverpool Corporation, and received prompt attention. The whole of the dwelling-houses are supplied from the public water mains direct to the houses.

Drainage and Sewage.

The sewage (which is dealt with on the combined system) is discharged without treatment into the River Mersey.

The Rimrose Brook Drainage Scheme has now commenced, which in time should ameliorate conditions in the lower lying part of the district, which are subject to flooding.

Rivers and Streams.

No action has been necessary to check pollution of rivers and streams and no new works have been established to cause pollution.

Closet Accommodation at the end of 1946:—

Privy Middens—

No. of Middens	One.
No. of Closets attached to these Middens...	One.
No. of Pail Closets	Nil.
No. of Houses with Fresh Water Closets...	5,204
No. of Waste Water Closets	Nil.

Scavenging.

This work was transferred during 1942 from the Surveyor's Department to the Health Department, under the supervision of the Sanitary Inspector, and is working satisfactorily. Refuse is conveyed by motor vehicles to the Council's tips, situated in Beach Road, Litherland.

Sanitary Inspections during 1946.

No. of premises visited	2,031
Defects or Nuisances—	
No. discovered	2,608
No. abated	2,461
No. of Notices served—	
Informal	1,375
Statutory	Two.
Legal Proceedings	Nil.

Offices and Shops Act, 1934.

No statutory action has been necessary; sanitary defects, etc., have been carried out as required.

Camping Sites.

There were no licences issued for camping sites during the year.

Swimming Baths and Pools.

There are no Swimming Baths or Pools within the District.

Eradication of Bed Bugs.

Twenty-seven houses were disinfected during the year; 5 Council houses and 22 other houses, by means of spraying with D.D.T. in Zaldecide and sulphur candles. One hundred and fifty-seven houses were disinfected for cockroaches, fleas, ants, crickets, flies, and silver fish.

Snails in the back passages were treated with salt.

Schools.

The sanitary condition and the water supply of the schools in the district is satisfactory. The schools have been disinfected after the holidays. There was no closing of the schools as a result of infection during the year.

Premises and Occupations which can be Controlled by Bye-laws or Regulations.

There are no Common Lodging Houses; Houses let in Lodgings; Tents, Vans or Sheds, or Underground Sleeping Rooms in the district.

Offensive Trades.

There are three Tanneries and ten Fish and Chip Potato premises in the district; these are inspected from time to time.

Slaughter-houses.

There is only one Private Slaughter-house in the district, and this is a Registered Slaughter-house.

Rag Flock Acts, 1911 and 1928.

There are no premises in the district in which Rag Flock is manufactured or sold.

Canal Boats.

Number inspected: None.

4.—Housing.

Statistics for the Year 1946.

There were 288 houses built during the year; 14 of these were rebuilt after war damage, and 128 were temporary houses. The Council have in progress 102 brick houses, 24 old age pensioners bungalows, and 168 B.I.S.F. houses.

Housing Application Forms, 1946.

Housing Application Forms for Council houses are continually being received, both from inside and outside the district.

The number of dwelling houses overcrowded at the end of the year was approximately 550, the number of new cases of overcrowding reported during the year was 175, and 262 cases of overcrowding have been relieved during the year. There is still a serious shortage of houses for all classes of people in the district.

5.—Inspection and Supervision of Food.

Milk Supply.

The Cowsheds, Dairies , and Milk Shops within the district are periodically inspected, and every effort is being made to produce clean healthy milk.

Six samples were obtained from persons selling milk within the district, and sent for Bacteriological examination.

"Tubercle Bacilli" was negative in all samples.

Veterinary inspections are carried out if any animal is suspected, or on a sample of milk showing Tubercle Bacilli.

Food and Drugs Act, 1938.

Six samples of milk were submitted to the County Analyst, twelve samples of ice cream, two of lolly ices, and one of ice cream powder; all samples were reported genuine.

The following samples were obtained in Litherland by the County Sanitary Officer during the year:—

Milk, 12; Margarine, 3; Bread, 1; Dried Eggs, 3; Vegetable Dried, 2; Borax, 1; Gravy Salt, 1; Prunes, 2; Sulphur Ointment, 3; Treacle, 2; Raisins, 1; Bicarbonate of Soda, 1; Baking Powder, 1; Cod Liver Oil, 1.

All these samples were certified by the County Analyst to be genuine with the exception of the Sulphur Ointment, which was fond to be deficient of 1·3 per cent. of Sulphur. The packers were communicated with regard to this sample.

Meat and Other Foods.

The food exposed for sale or prepared in the district has been examined from time to time. The premises and shops have been kept in a cleanly state.

Bakehouses.

There are eight Bakehouses in the district; these are in a sanitary condition, clean and well kept; minor repairs have been attended to.

6.—Prevalence of and Control over Infectious Disease.

Three hundred and sixteen cases of infectious diseases were notified, and forty-four were removed to Hospital (see Tables of Notifiable Diseases).

Diphtheria Immunization.

Immunization against Diphtheria has been undertaken by the Local Authority; this is done at the County Clinic, Linacre Road, Litherland, by the Medical Officer of Health on Friday afternoon during school time; 348 cases were completed during the year, each receiving two injections of A.P.T.

Immunization against Diphtheria commenced on 17th May, 1935; during this period 4,315 cases have been immunized in the district, although many reside outside the district. 377 notifications of diphtheria have been received, and of these only 30 had previously been inoculated.

There was one death (see chart on Immunization in front of page 7) from diphtheria during the year.

Scarlet Fever.

No return cases were discovered during the year, and there were no deaths from Scarlet Fever.

Malaria.

There was one case notified during the year, contracted abroad.

Enteric Fever (including Para-Typhoid).

There were no cases during the year.

Cancer.

There were 28 deaths from Cancer (16 males and 12 females) during the year, as against 33 in 1945. Private Practitioners and Patients make their own arrangements with the Liverpool City Hospitals for Radium Treatment if necessary.

Death rate from Cancer was 1·38.

Prevention of Blindness.

This work is carried out by the Lancashire County Council.

Tuberculosis.

No action has been necessary in respect of Tuberculosis employees in the Milk Trade, or to Section 62, Public Health Act, 1925, for removal to hospital of infectious persons suffering from Pulmonary Tuberculosis.

General.

There have been no Primary or Re-Vaccinations carried out by the Medical Officer of Health during the year.

It has not been necessary to close the schools during the year on account of sickness.

There have been no reports made under Article 17 (7) Sanitary Officers (Outside London) Regulations, 1935, which refers to cases of Plague, Cholera, Smallpox, or any serious outbreak of disease in the district. Several Smallpox contacts were reported and visited during the year.

Influenza.

There was no severe Influenza Epidemic during the year.

There were no other diseases or cases of sickness which required special attention.

Measles.

Measles showed an increase during the year, 199 cases being notified as against 71 in 1945.

Whooping Cough.

Whooping Cough Prophylactic and Curative Serum has been made available to Medical Practitioners free of charge. This has resulted in arresting the progress of this disease and shortening the period of infectivity; 71 cases were notified during the year.

Scabies.

Cases in diminishing numbers have been dealt with at home during the year.

Disinfection.

There were 104 rooms in 84 houses disinfected during the year by means of Formaldehyde Vapour and Izal (Sprayed) after Infectious Disease, including Tuberculosis, 120 articles were disinfected at the Council's Disinfector (a Washington Lyons Type) situated in the Council's yard, Field Lane.

There is no arrangement for bathing verminous persons, etc.

Disinfestation has been carried out at twenty-seven houses.

Notifiable Diseases, 1946.

Number of cases of Infectious Diseases notified, number of deaths from these diseases, number of cases removed to Hospital, and deaths in Hospital during the year 1946 :—

NOTIFIABLE DISEASES.	Cases Notified.													Total Deaths.	Hospital	
	Total Cases at all Ages.	Years.													Total Cases removed to Hospital.	Deaths in Hospital of persons belonging to District
		Under 1	1	2	3	4	5	10	15	20	35	45	65 and over			
Smallpox...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	23	...	...	...	2	1	7	8	3	2	...	...	...	...	11	...
*Diphtheria, including Membranous Croup	9	...	2	1	1	...	1	2	1	1	...	...	...	1	*16	1
Enteric Fever, including Paratyphoid	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles, (excluding rubella) ...	199	6	33	31	24	24	75	4	2	...	...	...	...	1	7	...
Whooping Cough ...	71	8	11	16	9	11	15	1	...	...	...	...	...	2	3	...
Acute Primary Pneumonia / Acute Influenzal Pneumonia	7	...	...	...	...	...	...	...	...	2	2	2	1	...	2	...
Puerperal Pyrexia ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Poliomyelitis ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Polio-encephalitis	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery	2	...	...	...	1	...	...	1	...	...	...	...	...	...	2	...
Ophthalmia Neonatorum	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Erysipelas	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
Malaria—																
Contracted in this C'try	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Abroad	1	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
Any other disease notifiable in district, *e.g.*— Chicken Pox ...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...
Any other disease...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Anthrax	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	316	15	46	48	38	36	98	16	6	6	2	2	3	4	44	

*A number of cases were removed to hospital as Diphtheria and were later certified as Tonsilitis or not infectious, and were removed from the register.

INFECTIOUS DISEASES.

316 cases of Infectious Disease were notified during the year.

	Cases Notified.									
	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
Smallpox...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	23	67	47	34	36	20	48	74	64	38
Diphtheria & Mem. Croup	9	26	12	23	27	36	61	87	37	23
Typhoid & Paratyphoid Fever	Nil	Nil	1	1	...	25	...	...	1	...
Erysipelas	2	7	8	5	9	6	2	10	6	8
Puerperal Pyrexia ...	Nil	Nil	...	1	2	...	2	4	5	2
Cerebro Spinal Fever ...	Nil	2	1	2	1	5	10	...	...	...
Poliomyelitis	Nil	Nil	...	...	...	...	1	...	...	1
Ophthalmia Neonatorum	1	Nil	1	...	1	1	...	3	...	5
Acute Primary Pneumonia / Influenzal Pneumonia	7	16	30	27	6	26	45	21	27	27
Anthrax	Nil	Nil	...	1	1	...	...	...	...	...
Encephal Leth.	Nil	Nil	...	...	...	...	...	...	...	...
Malaria	1	Nil	...	...	...	...	...	...	...	...
Polio-Encephalitis ...	Nil	Nil	...	...	...	...	...	...	...	...
Measles (excluding rubella)	199	71	369	185	323	30	370	2	...	...
Whooping Cough ...	71	38	111	69	35	84	122	1	...	...
Dysentry	2	2	1	...	...	...	...	...	...	...
Chicken Pox	1	...	...	...	...	...	...	...	...	...
	316	229	581	348	441	233	661	202	140	104

Infectious Diseases.

	Cases Removed to Hospital									
	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
Smallpox...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	11	42	13	19	16	13	28	50	52	31
*Diphtheria	16	36	17	23	21	38	60	103	49	36
Typhoid and Para-typhoid Fever ...	...	...	1	1	...	27	...	1	2	1
Puerperal Pyrexia ...	...	...	...	1	1	...	1	...	2	1
Erysipelas	...	2	4	2	4	2	...	4	1	6
Cerebro-spinal Fever ...	...	2	1	2	2	4	10	...	...	...
Ophthalmia Neonatorum	1	...	...	...	1	1	...	...	...	1
Poliomyelitis	...	...	...	...	...	...	1	...	...	...
Measles	7	1	...	1	1	...	5	...	...	...
Encephal Leth.	...	...	...	...	...	...	...	...	...	...
Malaria	1	...	...	...	...	...	...	...	...	...
Polio-Encephalitis ...	...	...	...	...	...	...	...	...	...	...
Acute Pneumonia ...	2	...	...	...	1	...	9	...	3	...
Whooping Cough ...	3	2	1	2	1	2	...	...	...	...
Pnuemonia	...	...	2	...	...	2	...	...	...	...
Anthrax	...	...	...	1	1	...	...	...	...	...
Dysentry	2	2	1	..	..	..	..	..	..	..
Chicken Pox	1	...	...	...	...	...	...	...	...	...
	44	87	40	52	49	89	114	158	109	76

*A number of cases were removed to hospital as Diphtheria and later certified as Tonsilitis or not infectious disease and were removed from the register.

Tuberculosis.

New Cases and Mortality during 1946 (Local Register).

AGE PERIODS.	New Cases.				Deaths.			
	Respiratory.		Non-Respiratory.		Respiratory.		Non-Respiratory.	
	M	F	M	F	M	F	M	F
Years 0				1				1
1	...	...	...	...	...	...	...	...
5	3	...	3	1	2	...	1	1
10	...	...	...	1	...	...	...	...
15	...	...	...	...	...	...	...	...
20	1	2	1	1	...	...	...	...
25	3	3	...	1	...	...	...	...
35	9	6	1	...	2	4	1	...
45	2	3	1	...	3	2	...	...
55	2	...	...	...	2	...	...	...
65 and upwards	4	1	...	...	5	...	...	...
TOTALS ...	24	15	6	5	14	6	2	2
	39		11		20		4	

Death rate from Tuberculosis Respiratory System per 1000=0·76.

The rate of non-notified Tuberculosis deaths to total Tuberculosis deaths was five to twenty-four during the year.

There is no evidence of excessive incidence of, or mortality from Tuberculosis in any particular occupation in the district.

No action has been taken or necessary in respect of persons suffering from Pulmonary Tuberculosis, employed in the Milk Trade, or for the compulsory removal to hospital of persons suffering from Tuberculosis.

7.—Maternity and Child Welfare.

The whole of this work is carried out by the Lancashire County Council at 32 Linacre Road, Litherland.

Ophthalmia Neonatorum.

This work is carried out by the Lancashire County Council; there was one case notified during the year.

I again wish to thank the Sanitary Inspector, Mr. H. Harrison, for his valued assistance, and to tender my thanks to the various members of the Council for considering advice given by me.

Your obedient Servant,

A. J. W. CUNNINGHAM,
Medical Officer of Health.

The Urban District Council of Litherland.

ANNUAL REPORT

OF THE

Sanitary Inspector.

1946.

9th December, 1947.

To THE CHAIRMAN AND MEMBERS
OF THE HEALTH COMMITTEE.

GENTLEMEN,

I beg to submit the Annual Report of the work executed in the Health Department during the year ending 31st December, 1946, together with the particulars of the nuisances abated and improvements effected thereby.

INSPECTION OF THE DISTRICT, NOTICES SERVED, ETC.

During the year 4,153 inspections and re-inspections were made in reference to complaints and housing.

It was necessary in numerous instances, however, to interview and write to the persons concerned, drawing their attention to notices which had not received prompt attention.

There were 1,375 Preliminary Notices and letters, etc., referring to nuisances and general dilapidations served, and in due course complied with.

Two Abatement Notices were served during the year.

Difficulties owing to shortage of building materials are being experienced, which cause considerable delay in the execution of repairs.

INSPECTION OF THE FOOD SUPPLY.—The food exposed for sale in the district has been inspected from time to time. Meat shops and food preparing places are inspected periodically. All animals slaughtered in the district are examined.

SLAUGHTER-HOUSES. — There is one "private" slaughter-house within the district; the number of pigs slaughtered and inspected in the Urban District during the year was twelve.

INSPECTION OF MEAT:—

Meat condemned as unfit for human food:—4 cwts., 2 qrs.. 21 lbs.

DAIRIES, COWSHEDS AND MILKSHOPS.—Number of cowkeepers on register, 2; number of milk shops (other than cowkeepers), 7; 44 visits were made during the year. On the whole a fairly high standard of cleanliness is maintained, and the health of the cattle is satisfactory.

Four supplementary licences were issued to retail: —

(1) "Tuberculin Tested" Milk (two).
(2) "Pastuerised" Milk (two).

MILK SAMPLES.—Six samples were taken for the discovery of Tuberculosis among cattle; all samples were reported "negative" to the biological test. Six samples of milk were also taken under the Food and Drugs Act, 1938; all samples were reported genuine.

There are approximately 27 cows kept in the district.

FISH FRYING SHOPS AND WET FISH SHOPS.—Twenty visits were paid to fish frying shops and wet fish shops, which were maintained in a generally satisfactory condition.

SMOKE ABATEMENT.—Visits have been made where black smoke and grit have been excessive; interviews between engineers and stokers have taken place and advice given One firm has ordered a grit arrester, which will be fixed as soon as received

ASHPITS TO BIN SYSTEM—The approximate number of movable ashbins at present in use in the district is 5,392. There were no conversions during the year.

ERADICATION OF BED BUGS.—Twenty-seven houses were disinfested during the year by means of spraying with Zaldecide and D.D.T., and sulphur candles. Clothing and bedding were taken to the Council's steam Disinfector. The whole of this work is carried out by the Council's workmen.

One hundred and thirty-three houses were disinfested for cockroaches, fleas, ants, flies, moths, silver fish and bees. They were treated with Zaldecide and D.D.T. successfully. Snails in the back passages were treated with salt. Gammaxane powder has also been used with good results.

RATS AND MICE DESTRUCTION ACT (THE INFESTATION ORDER, 1943).—This work has been carried out in accordance with the Ministry of Food's Direction, under the Infestation Order, 1943.

The County Council have delegated their powers under the Act to the Local Authority. During the year two Circulars were received from the Ministry of Food in March N.S. 11 and in May N.S. 12, the schemes as outlined in these Circulars were adopted

by the Council and submitted to the Infestation Division of the Ministry of Food and approved.

SEWER RAT CONTROL: CIRCULAR N.S.11.—To comply with the requirements of the Ministry of Food whereby financial aid would be given, two maintenances treatments had to be completed in the financial year ending March, 1947. An Inspector of the Ministry of Food visited the district whilst treatment was in progress and satisfied himself that the work was being carried out in accordance with the Ministry's instructions. This scheme resulted in the destruction of approximately 185 Rats.

PRIVATE DWELLING SCHEME: CIRCULAR N.S. 12.—To comply with the requirements of the Ministry of Food in this scheme whereby financial assistance would be given, a house to house inspection was carried out; dwelling houses found infested were treated in accordance with the Ministry's instructions. One operative is employed on Rodent Control with assistance from the Engineer's Department when engaged on sewers. Ninety-one complaints of Rats and Mice infestation were received during the year and dealt with, advice was also given as to storage of food.

CARAVANS.—During the year caravans in twos and threes have been coming into the district and staying for a few days. The Police have given valuable assistance in keeping them under observation until removed.

SUPERVISION OF INFECTIOUS DISEASES.—One hundred and thirteen visits were paid to houses where Infectious Diseases had occurred, and the necessary enquiries made into each case, also a sanitary survey was made of the premises, notices served where necessary for various defects, and work carried out, and 36 re-visits were paid to ensure that the work was carried out. The schools have been thoroughly disinfected during the year. The head teachers have been notified regarding children attending the schools where infectious disease had occurred, also after disinfection.

The Nursery has also been disinfected after minor infectious disease.

FACTORIES ACT, 1937.—Sixty-five visits and re-visits were made to factories during the year. Repairs to W.C.'s, drains, water supply, floors, ventilation and rain-water pipes, have been carried out during the year.

OUTWORKERS.—Visits were made to premises where out-workers were engaged; the premises were found to be satisfactory.

SALVAGE.

WASTE FOOD.—During the year 115 tons 18 cwts. of food were collected and disposed of to pig dealers.

WASTE PAPER.—During the year 58 tons 7 cwts. of waste paper were baled and collected for pulping.

MISCELLANEOUS.—During the year approximately 17 tons of Metal, Rags, Sacking, Bones and Rubber were collected and disposed of.

SUMMARY OF WORK OF DEPARTMENT.

Number of houses inspected	2031
Number of re-inspections to houses	2122
Number of visits and re-visits to factories	65
Number of visits to bakehouses	15
Number of visits to cowsheds, dairies, and milkshops ...	44
Number of preliminary notices served and letters, etc. ...	1375
Number of visits to offensive trades	9
Samples of milk submitted for bacteriological examination	6
Samples of milk taken under Foods and Drugs Act ...	6
Samples of ice cream and lolly ices submitted for bacteriological examination	14
Samples of ice cream powder submitted for bacteriological examination	1
Cases of infectious disease visited and reported upon ...	113
Number of houses fumigated	84
Number of rooms fumigated	104
Number of articles fumigated	120
Number of verminous houses disinfested	27
Number of visits to fish frying shops and wet fish shops ...	20
Number of visits to butchers' shops and food preparing places	222
Number of visits to slaughter-house	9
Number of visits to schools	12
Number of visits to stable premises and garages	27
Number of visits re Diphtheria Immunization	13
Number of visits to Tents, Vans and Sheds	16
Rent books inspected	27

DETAILS OF SANITARY IMPROVEMENTS AND ABATEMENT OF NUISANCES.

Drains tested, repaired or renewed	194
Defective w.c. cisterns, pans, traps, water supply, etc. ...	257
Staircases repaired	8
Defective water supply to houses, etc., new taps, burst pipes, etc.	274
Defective floors in dwelling houses, etc.	94
Offensive accumulations	16
New ashbins provided	322
Insanitary yard surfaces	64
Walls and chimneys pointed and repaired	208
Defective eaves, gutters, r.w. pipes, etc.	156
New back boilers, storage cisterns and cylinders provided or repaired	50
Defective skirting boards repaired	11
Defective plasterwork and limewashing, etc.	186
Repairs to window sashes and frames, and lighting and ventilation improved	124
Leaky roofs (dwelling houses), etc.	200
New doors and repairs to doors	92
Animals and Fowls kept to be a nuisance	3
Defective wash boilers and structures	9
New sinks or other sanitary fittings	86
Defective fire ranges, jambs, and flues	82
Detective drainer boards	13

I am, Gentlemen,

Your obedient Servant,

H. HARRISON,
Sanitary Inspector.

Printers
The Regent Press (Bootle) Limited
Irlam Road, Bootle, Liverpool 20